

ABSTRACT

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The base station apparatus extracts a transmission power control signal mixed into an uplink reception signal and performs first transmission power control by amplifiers 116 and 127. At the same time, the base station apparatus estimates the reception quality of the uplink reception signal by SIR measurers 122 and 133, and performs second transmission power control by adjusting the offset values of amplifiers 116 and 127 by offset adjusters 135 and 136 according to the estimation result. The second transmission power control is performed so as to reduce the transmission power when the base station is far from the mobile station and increase the transmission power when the base station is near the mobile station.